

PHAM HOANG PHUOC DUY

ANDROID DEVELOPER

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SUMMARY

I am an experienced Android developer passionate about learning and exploring modern development techniques. My experience includes developing Android applications and SDKs using best practices and the latest technologies available. I thrive under stress, excel at making technical decisions, and follow directions well. I see each day as an opportunity to push myself and improve further.

SKILLS & INTERESTS

Programming Languages: *Kotlin · Java · Node.js.*

Frameworks and Libraries: *Android Framework · Jetpack Compose · Coroutines · Retrofit · Hilt · Protobuf.*

Tools: *CI/CD · UI Testing.*

Languages: *Native Proficiency in Vietnamese · Working Proficiency in English.*

Interests *Astronomy · Chess.*

WORK EXPERIENCE

What3words

Oct. 2023 – Present

Android Developer

- **Skills:** Kotlin Android, Kotlin Multiplatform, Coroutines, Jetpack Compose, Android for Cars App, Room, Dagger Hilt, Clean Architecture, UI Testing, CI/CD.
- Contributed to the what3words Android application, which has over 10 million downloads on Google Play and hundreds of daily users.
- Migrated a legacy MVC architecture to a modern MVVM architecture, enhancing code maintainability and enabling seamless integration of reactive programming patterns.
- Redesigned and migrated the legacy View-based UI to Jetpack Compose.
- Google Play: [what3words Android App](#)
- Developed public and internal libraries facilitating the integration of what3words technologies using up-to-date technologies and architectures: [Map Component](#), [OCR Component](#), [Android what3words wrapper](#),...
- Developed what3words Android Automotive apps using Cars App Library and Jetpack Compose which leading automotive brands use: Mitsubishi, Honda, Vinfast,...

Fossil Vietnam

SDK Developer

May. 2021 - Sep. 2023

- **Skills:** Android Framework, Java, Kotlin Multiplatform, Coroutines, Retrofit, RealmDB, Protobuf, Design Patterns, JNI (JNI), Bluetooth.
- Participated in building a new Wearables Framework (inspired by Android WearOS) from scratch for the next generation of Fossil smartwatches.
- Spearhead the development and ownership of the core modules of the framework, including SensorManager, HealthServiceManager, and LocationManager,...
- Optimized code and memory usage, enabling the framework to run on smartwatches with only 5MB of RAM, supporting up to 12 installed applications.
- Developed an SDK that enables Android and iOS developers to interact with Fossil smartwatches via Bluetooth.
- Implemented the SDK using Kotlin Multiplatform, allowing it to compile and execute on both Android and iOS. This approach reduced the overhead of maintaining separate codebases for multiple platforms.

SaiGon Smart

Android Developer

Dec. 2020 - Mar. 2021

- Worked as a part-time Android developer.
- Contracted, developed and published 2 Android applications.

EDUCATION

University of Science, VNU-HCMC

2017 - 2022

Bachelor of Software Engineering

- GPA: 3.1.
- Founder of the University of Science Astronomy Club (USAC).

PERSONAL PROJECTS

eUSAC

Team Leader

- **Skills:** Kotlin, Clean Architecture, Data Binding, NodeJs/ExpressJs, JWT, MongoDB.
- Developed a server and mobile application for managing university astronomy club activities.
- Key functionalities:
 - * Enabled admins to create activities and meetings, with members registering through the app.
 - * Implemented attendance tracking using NFC member cards and QR codes.
 - * Developed a ranking system to track participation levels of club members.

CERTIFICATES

Intermediate Algorithms by Big-O Coding

AWARDS

Apkathon 2019

- A hackathon competition where we had 24 hours to build a web app and present it to the judges.
- Consolation prize (Team DoneH3), placed 4 out of 30 teams.